

FIGURE 1A

Deleted Region	Coordinates (kilobase)	Putative virulence genes and their function	Integrating clones
RD3	1779-1788	Prophage phiRV1 (RV1573-1586)	RD3-1301
RD4	1696-1708	Extracellular polysaccharide synthesis (RV1511-RV1514)	RD4-1375
RD5	2626-2635	Phospholipase operon (plcA, plcB, plcC)	RD5-1B1
RD7	2208-2220	Adhesin/invasin (mce3 operon)	RD7-1B9
RD9	2330-2332	Cobalamin synthesis (cobL)	RD9-1493

FIGURE 1B

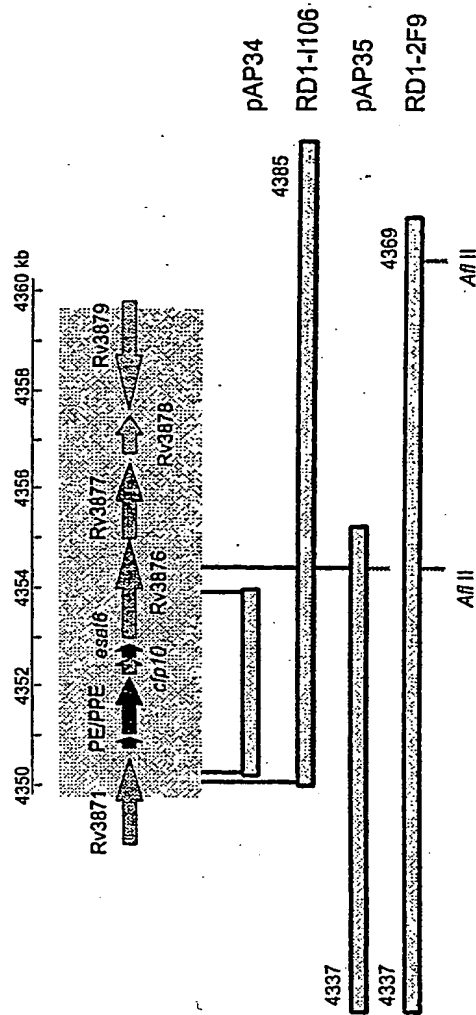


FIGURE 1C

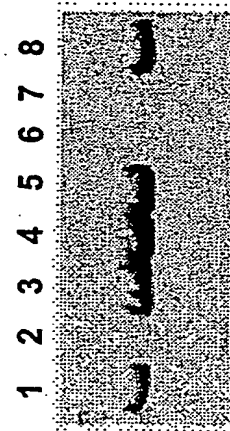


FIGURE 1D

FIGURE 2A

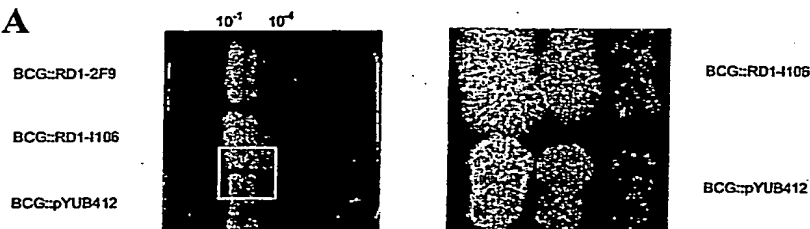


FIGURE 2B



FIGURE 2C

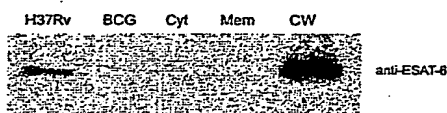


FIGURE 2D

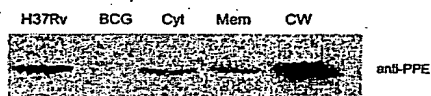


FIGURE 3A

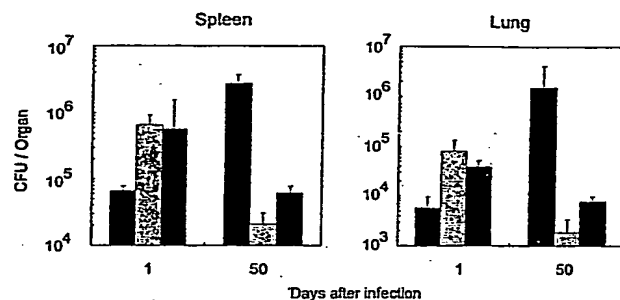


FIGURE 3B

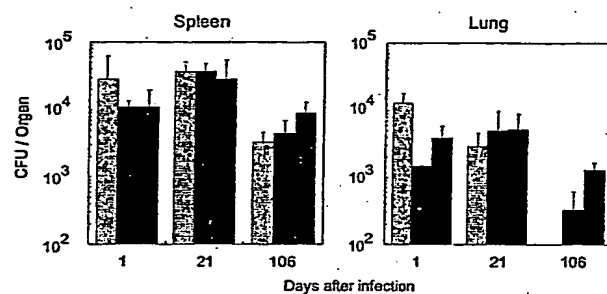


FIGURE 3C

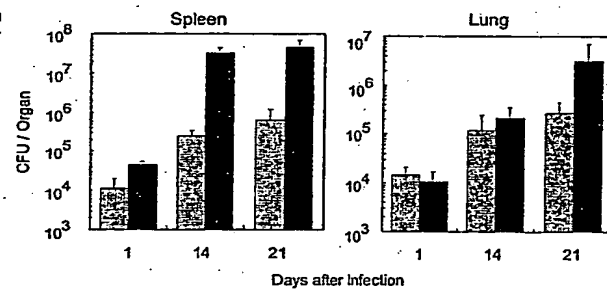


FIGURE 3D

BCG::RD1-2F9

BCG::pYUB412

BCG::RD3-I301



FIGURE 4A

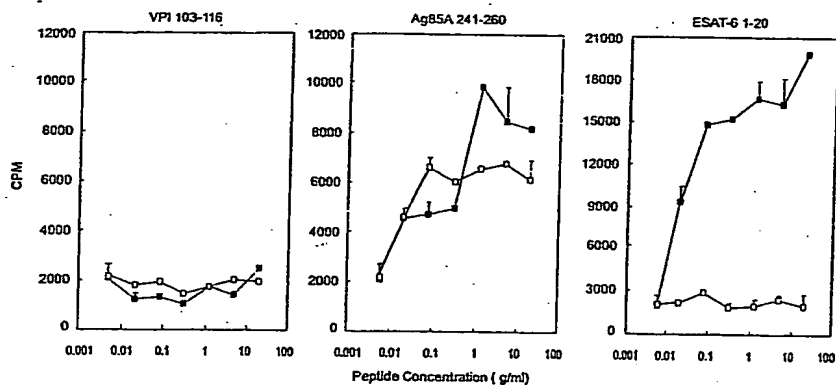


FIGURE 4B

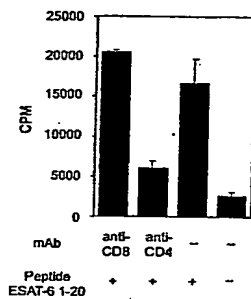


FIGURE 4C

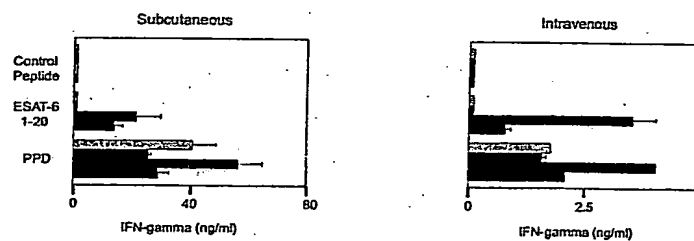
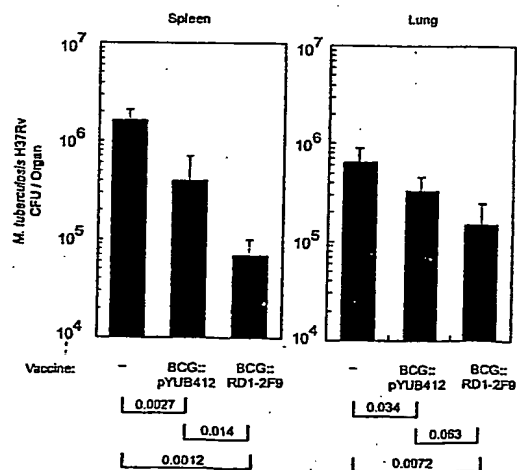


FIGURE 4D



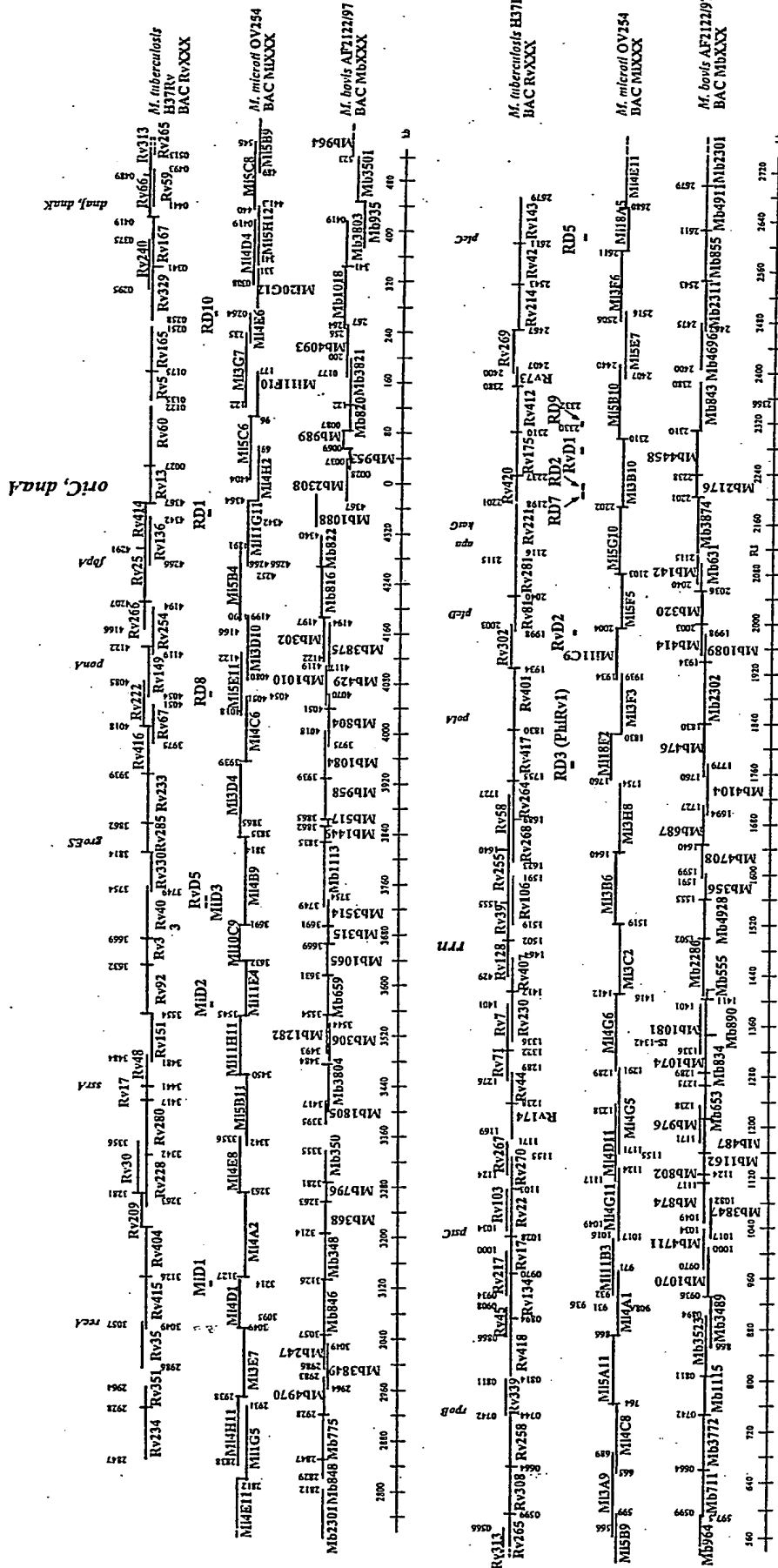
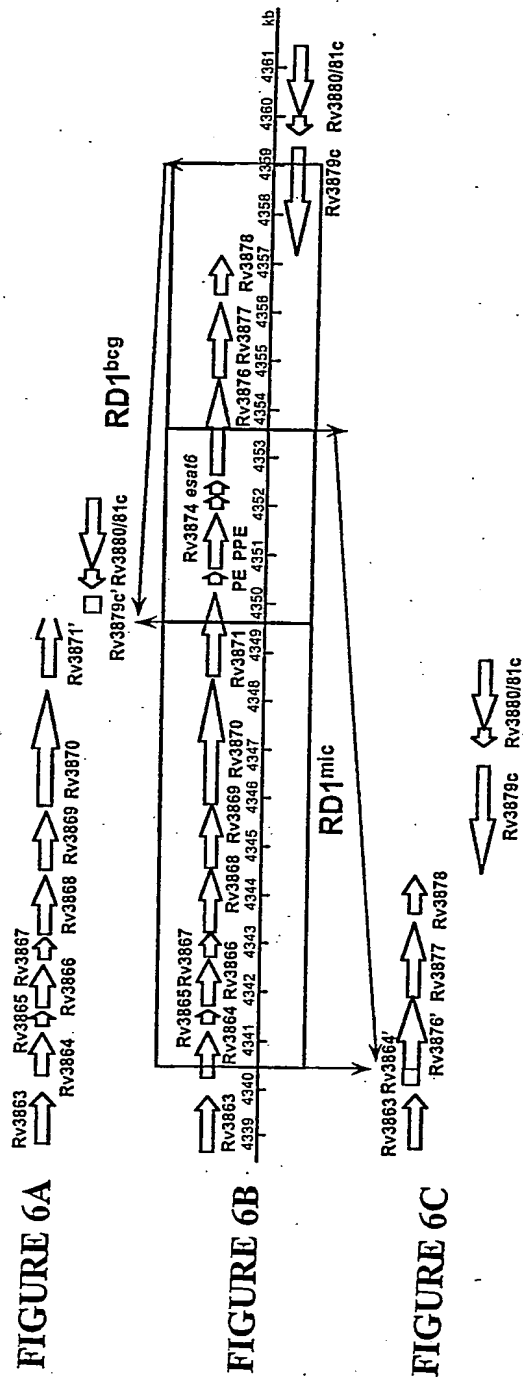


FIGURE 5



10/510021

FIGURE 7A

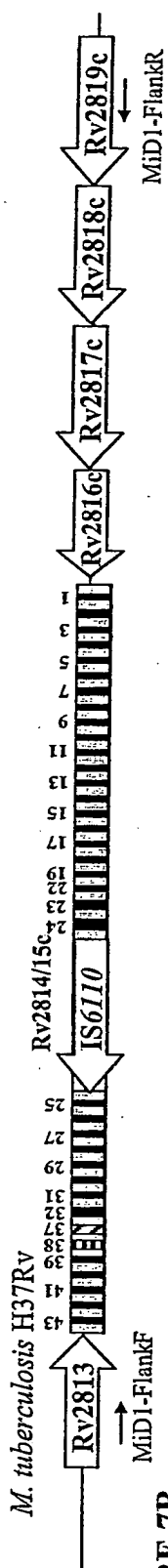


FIGURE 7B

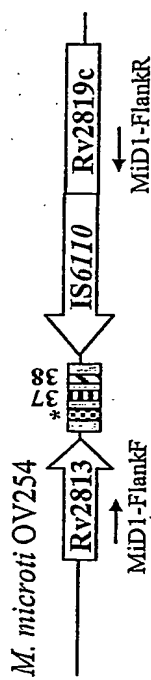


FIGURE 8A

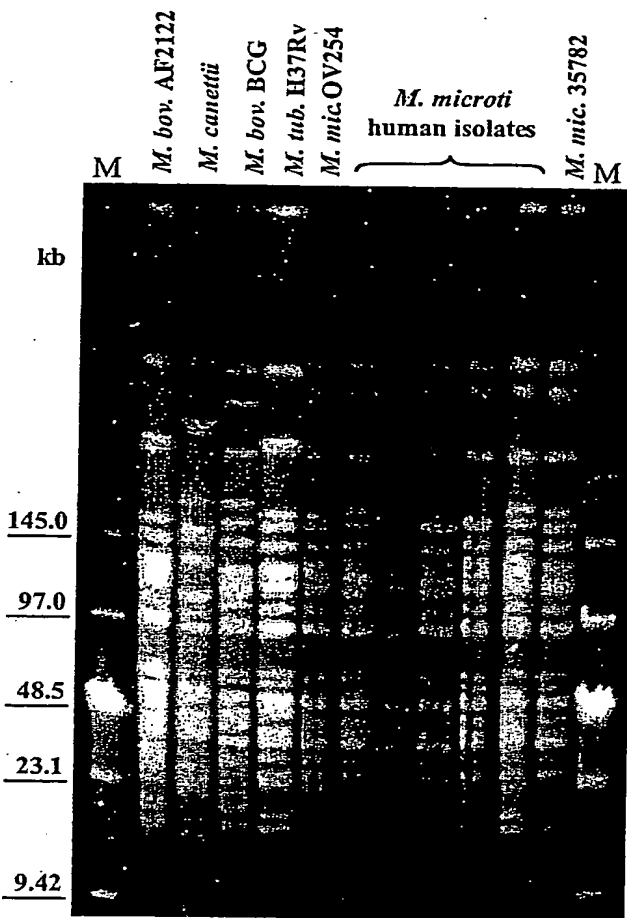


FIGURE 8B

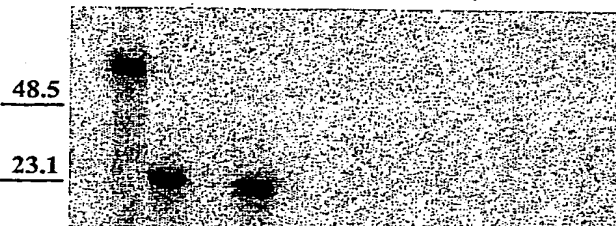


FIGURE 8C

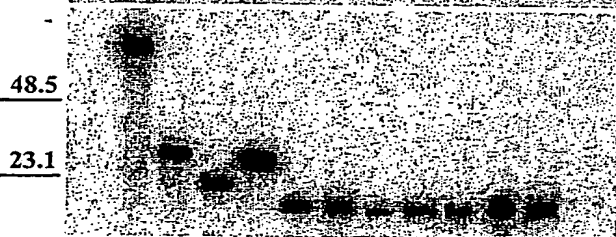
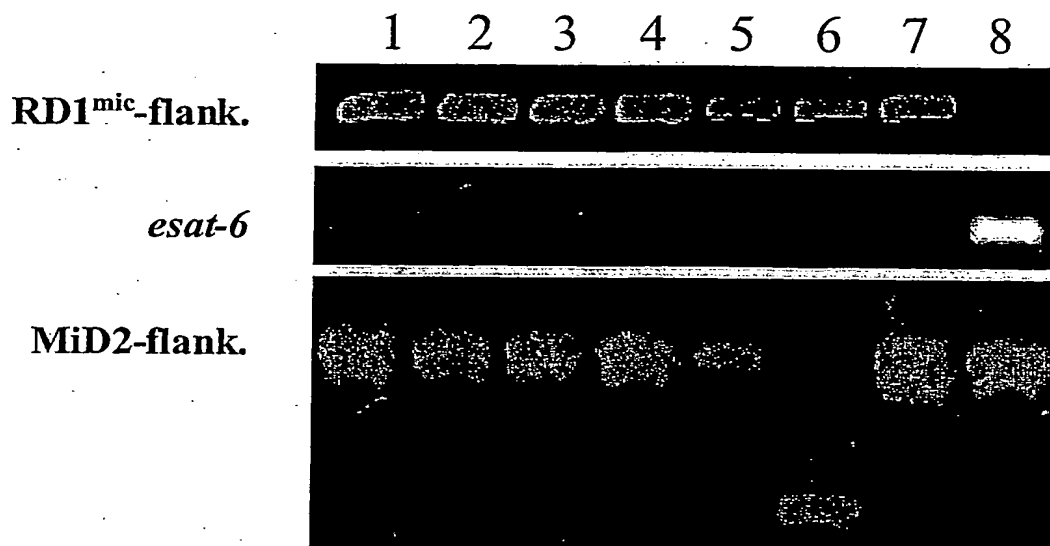


FIGURE 8D



10 / 16

10/510021



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FIGURE 9

10/510021

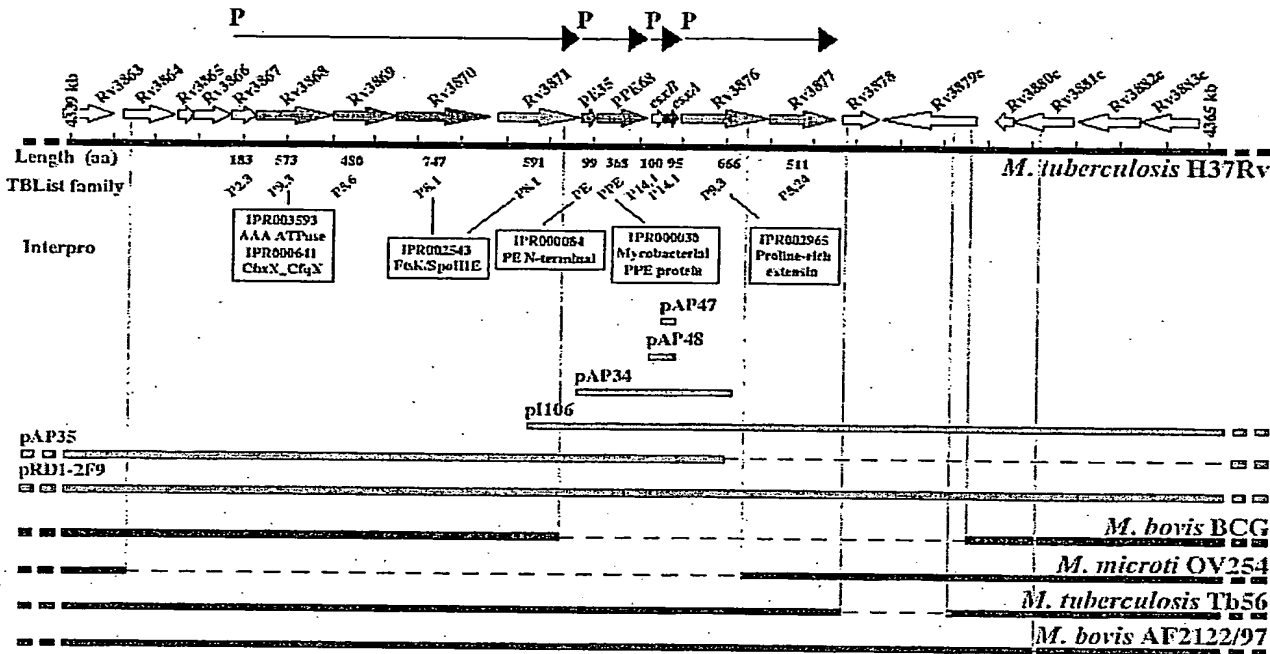


FIGURE 10

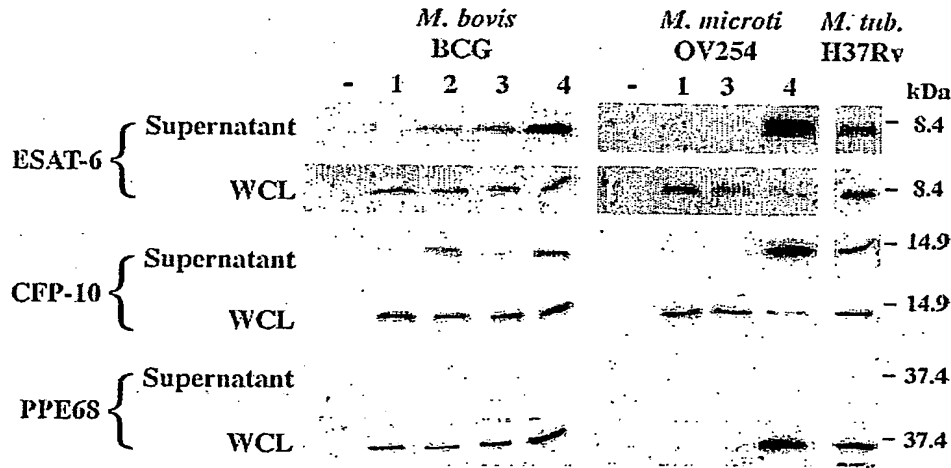


FIGURE 11

10/510021

12 / 16

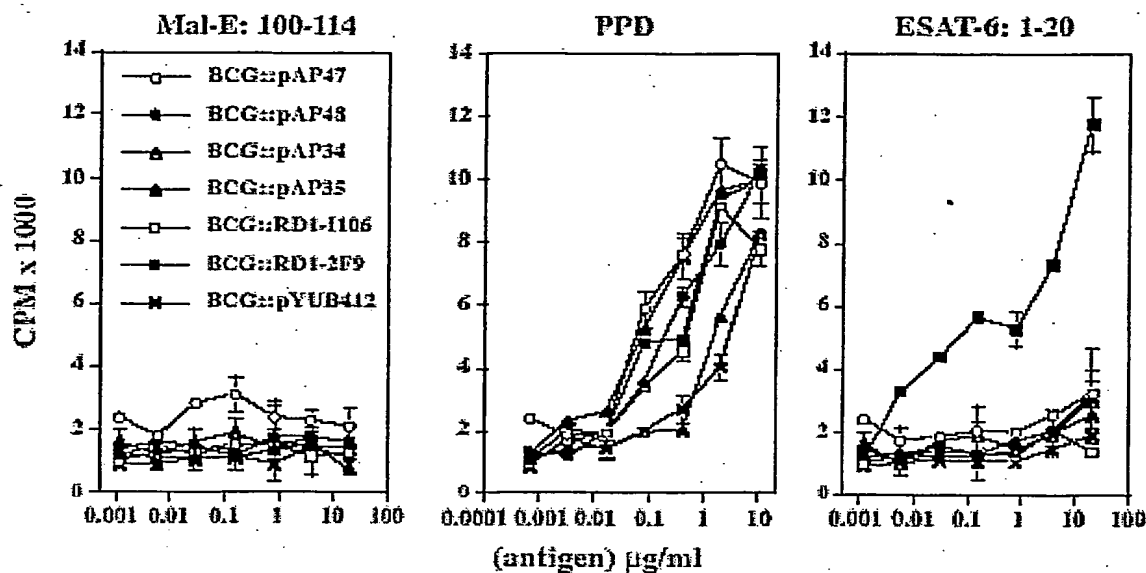


FIGURE 12A

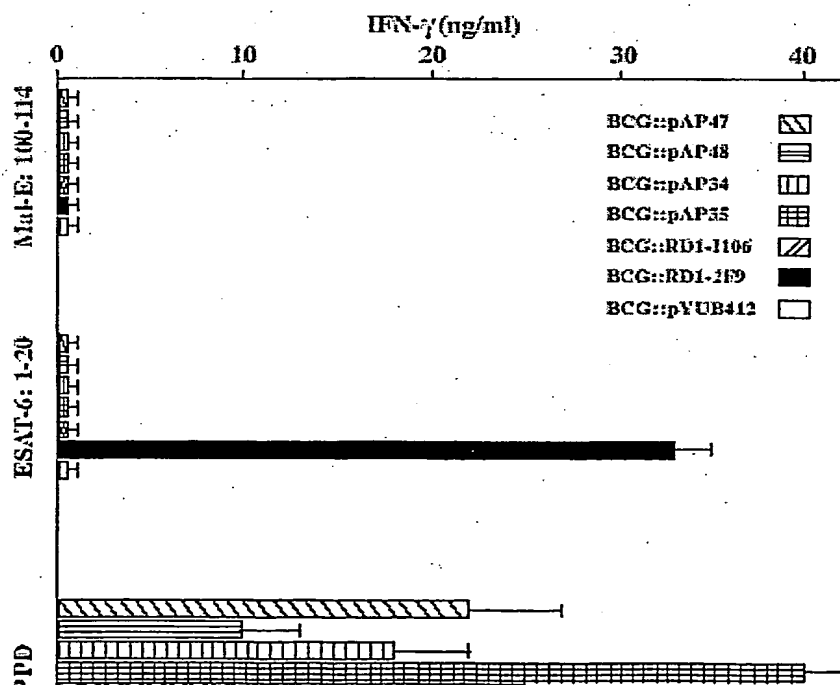


FIGURE 12B

13 / 16

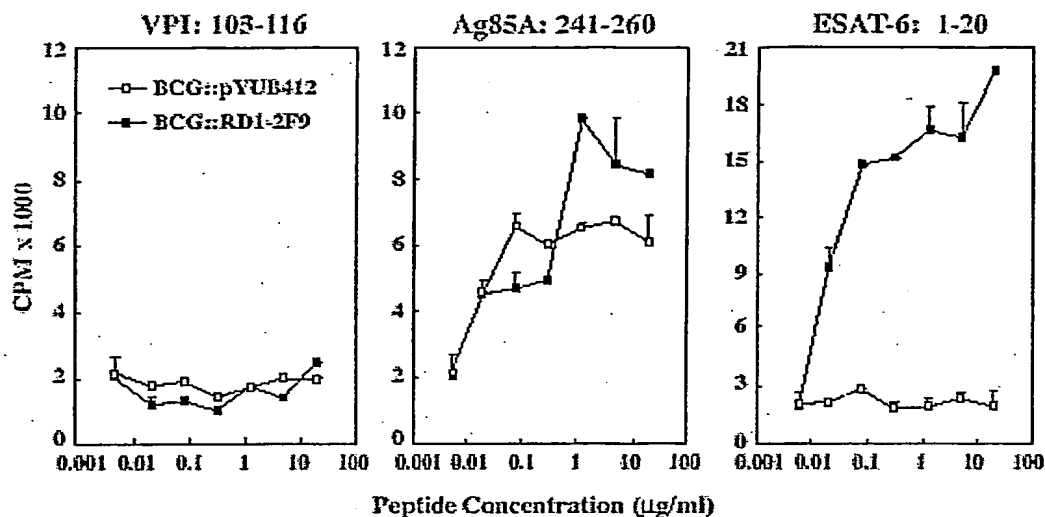


FIGURE 13A

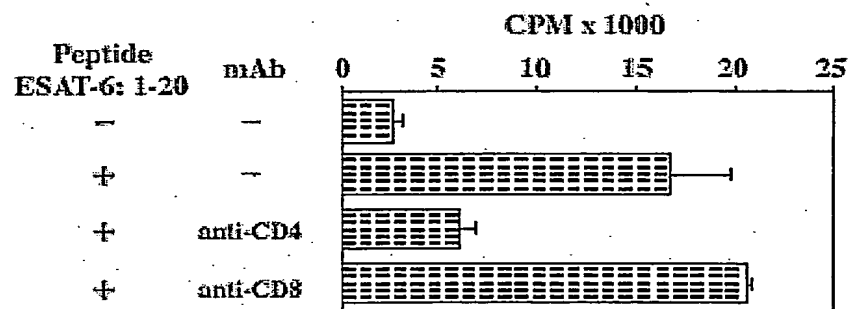


FIGURE 13B

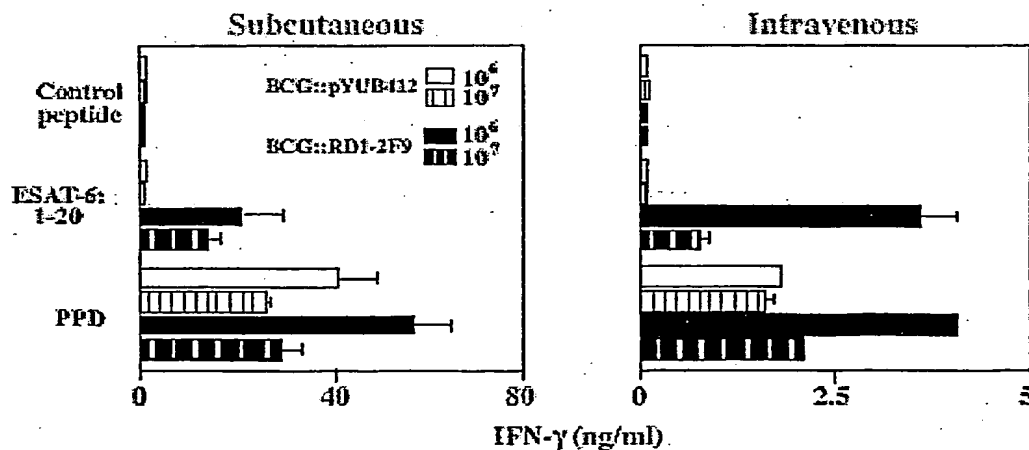


FIGURE 13C

14/16

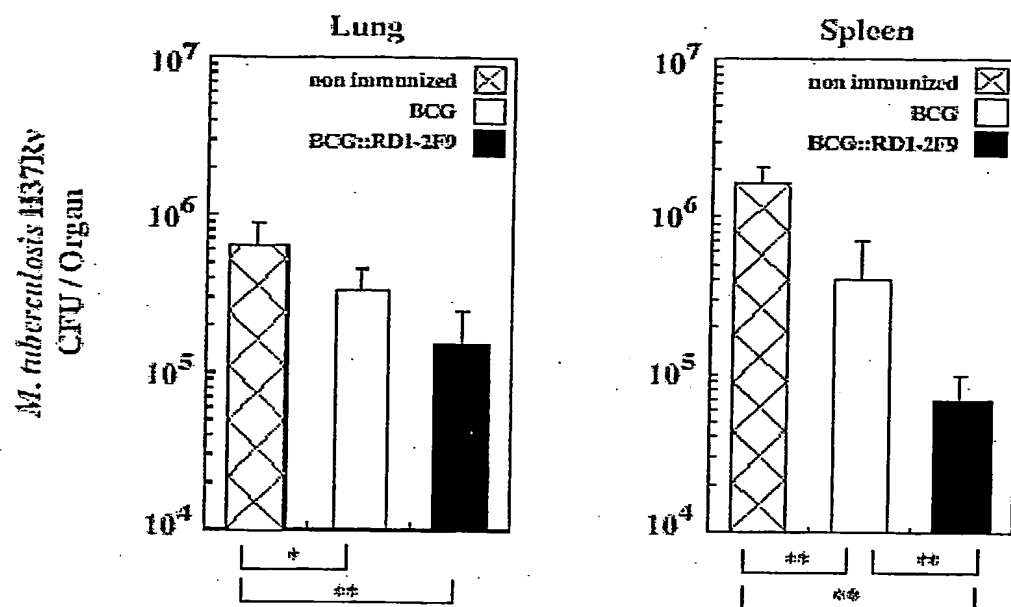


FIGURE 14A

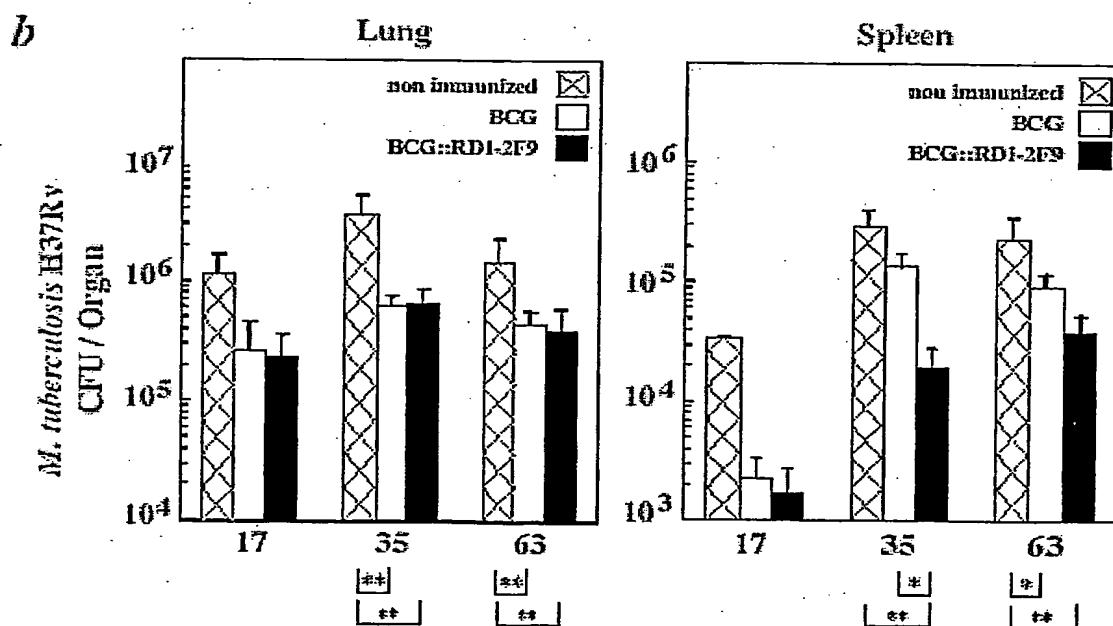


FIGURE 14B

10/510021

15/16

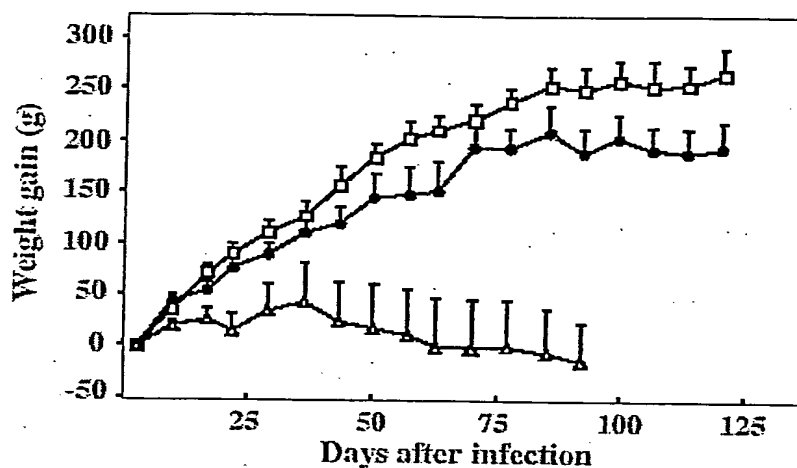


FIGURE 15A

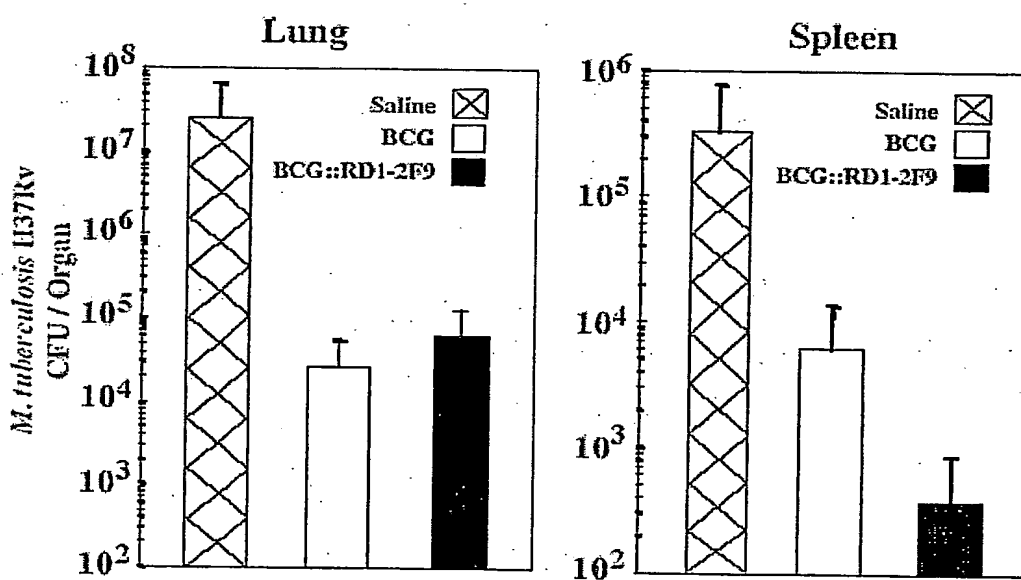


FIGURE 15B

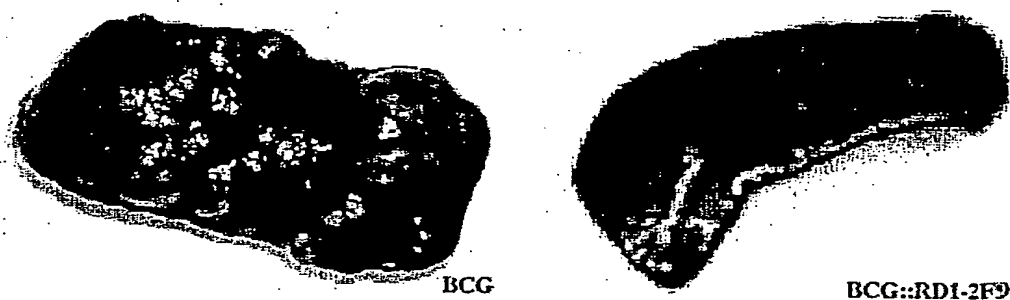


FIGURE 15C

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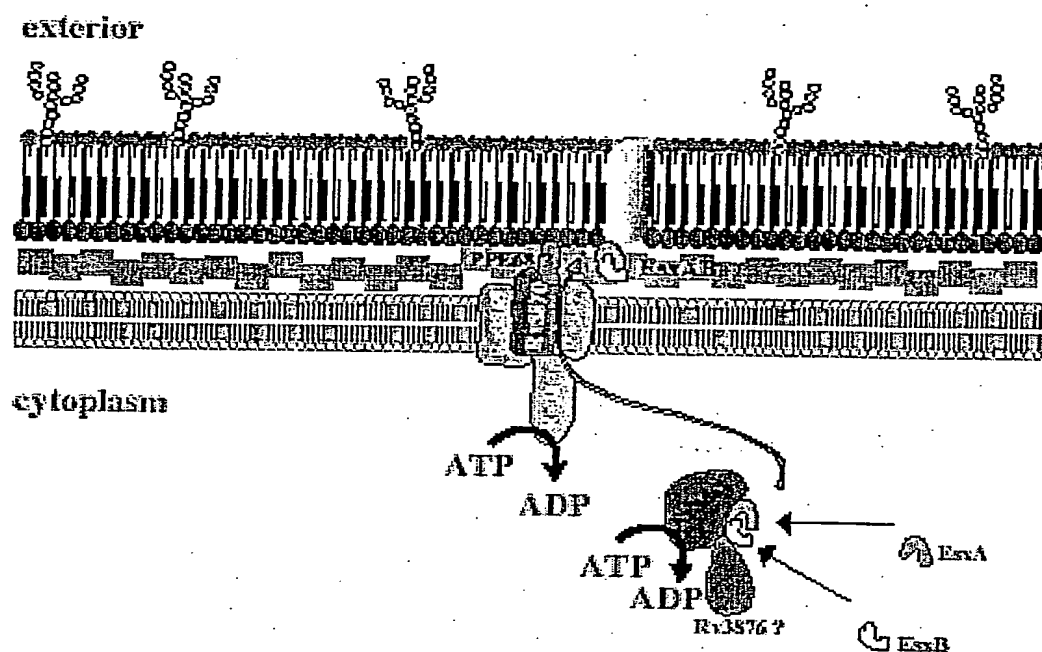


FIGURE 16